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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT			
1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				PE 0305204N: Tactical Unmanned Aer Vehicles				0117: Reef Point			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
0117: Reef Point	-	0.093	-	-	-	-	-	-	-	0.000	0.093
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

A new start project for FY11.

A. Mission Description and Budget Item Justification

The Reef Point Sonochute Unmanned Aerial Vehicle (UAV) will provide an expendable organic UAV that can be launched from a P-3/P-8 Sono Buoy Launcher to support the host aircraft by 1) extending its on-station time, 2) extending on-board sensor range and 3) affording a margin of crew and platform safety not currently available to Maritime Surveillance Aircraft community. The system supports the P-8A Multi-Mission Maritime Aircraft Adjunct Unmanned Aerial Vehicle requirement of level II UAV command and control (threshold) to provide real-time receipt of UAV sensor data via direct link as well as the objective goal for later production blocks of P-8A for Level IV UAV command and control to enable on-board command and control of UAVs operating as remote sensors and Command, Control, Communication, Computers and Intelligence, Surveillance and Reconnaissance collection. This system supports the P-8A design for deployable systems; which, accommodates for the stowage, control, and dispensing of various non-lethal expendables for use in search, localization, tracking, classification/identification tasks, for enhancing survivability, and for Search and Rescue. The system supports Naval missions such as Maritime Interdiction. Naval Air Warfare Center, Aircraft Division (NAWCAD) will support the systems engineering.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

Title: Engineering and Maintenance	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Articles:	-	0.093	-	-	-
Description: Government Technical Engineering Support and travel.					
FY 2011 Plans:					
FY11 funds this new start effort to provide an expendable organic UAV that can be launched from a P-3/P-8 Sono Buoy Launcher. Funding will support government engineering support and related travel requirements.					
Accomplishments/Planned Programs Subtotals	-	0.093	-	-	-

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C. Other Program Funding Summary (\$ in Millions)			
N/A			
D. Acquisition Strategy			
The project strategy is to develop and demonstrate an expendable organic sonochute launched UAV (SLUAV) for P-3/P-8 maritime missions. The demonstration project will support requirements developed and refined for input into the formal requirements Joint Capabilities Integration Development System process and documentation. NAWCAD will provide government engineering support and manage the demonstration effort using the developers of SLUAVs currently under contract.			
E. Performance Metrics			
Attainment of a sonochute launched expendable organic UAV for use on P-3/P-8 aircraft.			